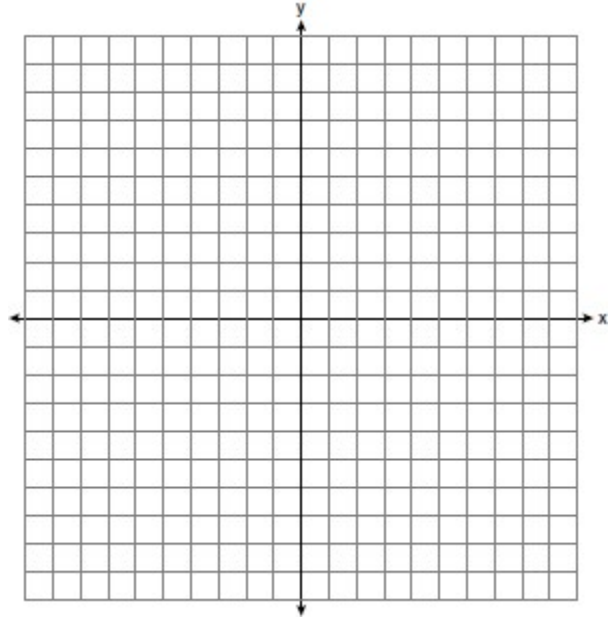


Name _____
Mr. Schlansky

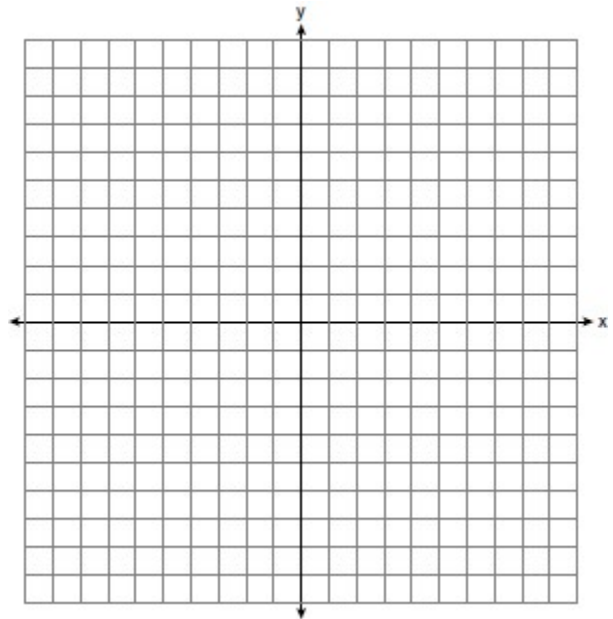
Date _____
Geometry

Coordinate Geometry Triangle Proofs

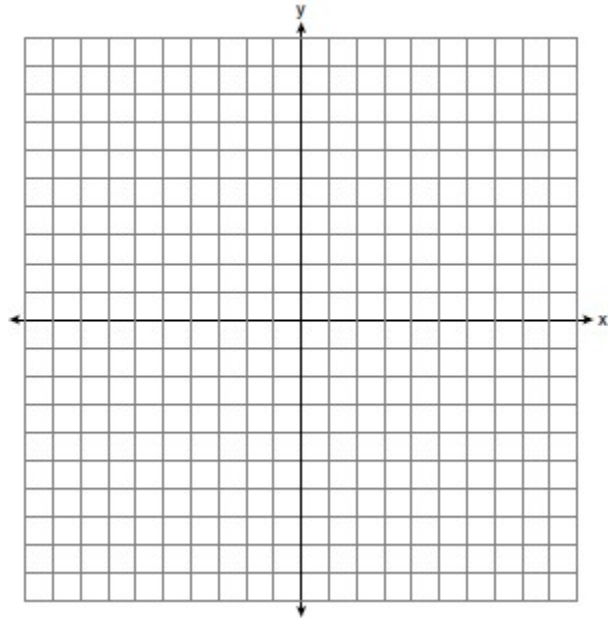
1. Triangle MET has vertices M(7,-1), E(2,-2) and T(3,3). Prove that MET is an isosceles triangle.



2. The vertices of $\triangle ABC$ are A(0,10) B(5,0) and C(8,4). Prove that $\triangle ABC$ is a right triangle.



3. Triangle JOY has vertices $J(4,0)$, $O(5,4)$ and $Y(1,5)$. Prove that JOY is an isosceles right triangle.



4. Prove that the triangle whose vertices are $A(0,2)$, $B(2,3)$, and $C(1,5)$ is a right triangle.

